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Approved For Release 2000/09/08 : CIA-RDP78-02820A001200030006-9

UNITED STATES GOVERNMENT

# Memorandum

TO : The Files: Contract 4168, T.O. 03(100,364)66R

EP 66-117

DATE: 1 June 1966

FROM : Mr. [REDACTED]  
25X1A9a

25X1A5a1

SUBJECT: Inspection Report No. 3 - [REDACTED]

## 1. Project Description:

The [REDACTED] is an all transistor, agent, HF radio transmitter which is powered directly from a 12 volt dc source. It has a power output of 20 watts over the frequency range of 3 to 24 Mc/s. The output frequency is controlled by CR-18 crystals or a synthesizer. Operating controls are an ON/OFF switch, frequency doubling switch, two antenna tuning controls, and a button-type key. The output L network provides antenna matching over the range of 40 to 1200 ohms  $\pm 45^\circ$  reactive. In addition to antenna posts, connectors are provided for a receiver, a keyer, and a 12 volt battery. Maximum current drain from the battery will be about 3.3 amperes. The dimensions of the RT-66P2 are 3 5/8" x 4" x 1 1/2" and the weight is 1.22 pounds.

## 2. Contractual Information:

- Initial Cost: \$74,176.00
- Request for Procurement Action: 26 October 1965
- Initiation Date: 24 November 1965
- Completion Date: 29 August 1966
- Deliverable Items: 1 engineering model, 4 service test models, instruction books, manufacturing drawings

3. Date of Meeting: 19 May 1966

4. Place of Meeting: Cincinnati, Ohio

5. Persons Attending:

Agency

Non-Agency

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Mr. [REDACTED]  
Mr. [REDACTED]

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## 6. Contractor's Performance:



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Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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SUBJECT: Inspection Report No. 3 - [REDACTED]

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6. Contractor's Performance:

- a. On schedule and expected to remain so: No
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:

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A partially assembled [REDACTED] was exhibited by [REDACTED]. A cast case contained the mechanical portions of the semi-automatic, antenna matching configuration. Most of the front panel controls were mounted on the painted case and were identified by stencil markings. Front panel controls and connector receptacles are: KE-8 keyer plug; manual key button; bandswitch (3-12 Mc/s and 12-24 Mc/s); XTAL/VFO receptacle; ON/OFF switch; tune meter; press-to-tune button; and fine tune knob (used for touchup tuning).

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The transmitter's electronic modules, using cordwood construction, are built and have been tested individually. They will be assembled into the transmitter case during the week of 23 May. [REDACTED] will have the [REDACTED] ready for electrical test, as an integral unit, the following week. [REDACTED] Approximately two weeks will be required for the electrical testing with delivery of the prototype unit scheduled for mid-June. 25X1A5a1

Both the tune button and manual key button are covered with rubber boots (to comply with the rainproof specifications). This has caused the "feel" of the microswitch in the "make" position to be somewhat less than satisfactory and may require rework. The 12 V dc will be furnished to the RT-66 by a BS/B-49 battery which was supplied to [REDACTED] for test purposes. [REDACTED] also agreed to supply the [REDACTED] to [REDACTED] BS/B-49 connector cable. 25X1A5a1

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[REDACTED] 25X1A9a

Distribution:

R&D Subject File  
OL/PD/PCB/CAS  
R&D Lab  
OC-OS  
ESB  
Monthly (3)  
EP Chrono

25X1A9a OC-E/R&D-EP [REDACTED]

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